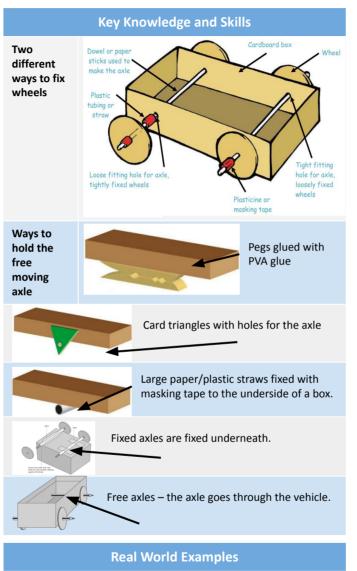
Grange Park Primary School Year 2 Spring 1 Design and Technology

Wheels and Axles: Design, make and evaluate a moving ambulance

Key People and Events 1822-1873 Robert William Thomson invented the first inflatable tyre. Karl Benz invented the first vehicle powered 1886 by a gas engine.







Crimean War started in 1845 AD. Only a few ambulances were

Florence Nightingale, Elizabeth Garrett Anderson and Mary Seacole all had a profession in the medical industry.

taken to the war.

| wheel A circular object that turns round. It can be fixed to a vehicle like a car or bicycle to allow the vehicle to move easily on the ground. A rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with the axle. Free axles The axles go through the vehicle. Washer A flat ring of rubber, metal or other material used with a nut and bolt to make a tight fit. Chassis The frame or base on which a vehicle is built. moving parts A part in a machine or product that has power to move. saw A tool with a thin metal blade that has sharp teeth along the edge. Saws are used for cutting hard materials such as wood or metal. clamp A device used to fasten, support or press together two or more objects or pieces. tools An instrument that is usually held with the hands and helps one to do something. durable Not easily broken or worn out, lasting and sturdy. functional Having a practical purpose. Foam covered real | Key Vocabulary | |
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| Types of wheels Grange Par | | |

Primary School